



# The Wave Bender



November 2014



## WRARC PREZ SEZ

### 2014 Officers:

President: Roy Haren, KD8IJF      kd8ijf@wrarc.net  
VP: Joe Wojtowicz W0JO      kd8rcc@wrarc.net  
Secretary: Kevin Stein, KD8NXS      kd8nxs@wrarc.net  
Treasurer: Maureen Stein, KD8NXS      kd8nxs@wrarc.net  
Past President: Allan Avnet AB8AA      ab8aa@wrarc.net

### Trustees:

Steve Fabry, KC8SOY      kc8soy@wrarc.net  
Chris Monske, WF8U      kd8ely@wrarc.net  
Harry Harker, KD8PQK      kd8pqk@wrarc.net

### Appointed Positions:

Nominating Charman: Ted Filmer, KD8IJE  
kd8ije@wrarc.net  
Social: Maureen Stein, KD8NXS  
kd8nxs@wrarc.net  
Publicity: Joe Wojtowicz, W0JO  
kd8rcc@wrarc.net  
Newsletter/Web: Jane Avnet K8JAA  
k8jaa@wrarc.net  
Facebook/Badges/logo Design:  
John Fabry, KC8SPF      kc8spf@wrarc.net

### Officer's Meeting:

November 11, 7:00 P.M. At Eat 'n Park, 8051 Market St.,  
Boardman - All members welcome

### Regular Meeting:

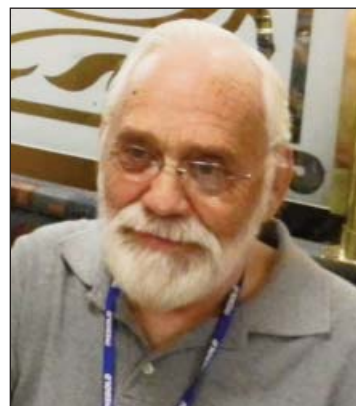
November 18, 7:00 P.M. at Davidson's, 3636 Canfield Rd.  
in Cornersburgh

Nominations and Election of Officers  
Speaker: Karen Conklin  
from the Red Cross

Join us for Dinner before the meeting 6:00P.M.

<http://www.wrarc.net/>

Hi Everyone,  
Well another month is coming to an end. October was an exciting and busy month for the club. We had the new event at YSU, the Walk to End Alzheimer's, which turned out really well. Thanks to the volunteers who came to help out. We were informed that we will also work it next



year. In addition, the Walk to Stop Diabetes was well attended, and our volunteers did a great job with communications. We will get that one back next year as well. Several of us went to Boardman Park's Haunted Hayride to help Bill Egan KD8HCQ and the 4H'ers with security and communications. All three weekends went well. There were a couple of incidents, but all turned out OK.

I want to remind everyone that at the next meeting we will be voting to elect a new trustee. That's the only open position this year. We will be passing out ballots so you can vote for your favorite candidate. We have three; Russ NR8W, Darrin N8DMC, and Stan KB3WPD.

At our November meeting we will have Karen Conklin from the Red Cross as a speaker. Hope to see everyone at the meeting.

73, Roy KD8IJF  
President, WRARC

Your Vote  
makes a difference

## A WORD FROM OUR VP



Thanks to all of you who participated in our recent "Alzheimer's Walk" and "Stop Diabetes." Your contribution to these community events is greatly appreciated by your Club Officers and Trustees. The Executive Director of the Alzheimer's Walk thanked me for our participation and indicated she would love to have us back next year for the same event. We'll be looking for a couple more Community Events next year where we may be of service.

As of now, we have no more club events scheduled for the rest of this year and early winter, but we're currently planning ways to make our monthly meetings more attractive and interesting to both our current and prospective membership.

Don't forget also that the club is again offering licensing classes to new HAMS and those that want to upgrade. We are offering both Technician's and General Class license classes starting Wednesday, November 5 at ITT Tech. If you know anyone that's interested in amateur radio or if you've been thinking of upgrading to General Class, now's the time to do it. Please call Al Avnet, AB8AA, at 330-549-3051 before Monday, November third to register.

Many thanks to Nancy and Dave Brett, KD8QNY and KD8NZF and Wes Boyd, W8IZC for doing their presentations at our recent club meetings. Right now,

Karen Conklin from the Red Cross is scheduled to be our speaker at our next meeting, Tuesday, November 18 at Davidson's Restaurant. Hope to see all of you there.

73, Joe, W0JO  
VP

## WHAT'S COMMING UP?

Nov. 5	Tech. & General Classes Starting 7:00 P.M. at ITT Tech
Nov. 11	Board meeting at Eat 'N Park, Boardman, 6:00 P.M.
Nov. 18	Meeting At Davidson's <b>Elections</b> Speaker Karen Conklin, from the Red Cross
Dec. 9	Board meeting at Eat 'N Park, Boardman, 6:00 P.M.
Dec. 16	Meeting at Davidson's Speaker Ed Brannan; Topic; Terrorist Activities
Dec. 17	Testing at ITT - Contact Al 330-549-3051
Jan. 11, 2015	After the Holidays Annual Dinner/Meeting/Installation of officers (date tentative)



**New WRARC Simplex Frequency 146.565**

**TECHNICIAN & GENERAL CLASSES STARTING  
AT ITT-TECH  
WEDNESDAY EVENINGS,  
NOVEMBER 5 THRU DECEMBER 10  
7:00 - 9:30 P.M.**

**FOR INFO & THE BOOKS  
CALL AL 330-549-3051**



**Join us for the WRARC Friday night Net 9:00 P.M.**

**145.270, PL -110.9**

**Upcoming Net Control Operators**

**Nov 7 Harry KD8PQK**

**Nov. 14 This could be you**

**Nov. 21 This could be you**

**Nov. 28 This could be you**

**Contact Steve, KC8SOY to take a turn at Net Control**

**330-774-6346**

**Ask The Elmer Net Right after the Friday Night Net  
KC8SOY Moderator**

**WRARC Simplex Frequency 146.565**



**Mahoning County ARES® Nets**

**1<sup>st</sup> Monday 8.30 PM ET W8QLY Repeater - 146.745 (PL 110.9)**

**&**

**3<sup>rd</sup> Monday 8.30 PM ET W8QLY Repeater - 146.745 (PL 110.9)**

**We thank MVARA for the use of their repeater**

**W8SGT is facilitating The Ohio HF net every Tuesday - 7:00 PM**

**The net is run from the State of Ohio EOC on the**

**Ohio ARES Admin frequency 3875 kHz LSB**

**moves to 7240 Khz after 20-min.**

**All are welcome to check in.**



**The Ohio ARES/OES Digital Emergency Net held every Tuesday at 8:00PM.  
held on 3585 kHz USB.**

**Please note all digital communications are Upper Side Band.**

**<http://www.http://ohden.org/> for net details. Net Manager Gary NJ8BB**

**COLUMBIANA COUNTY DIGITAL NET**

**Wednesdays 8:30 pm - 9:30 pm**

**145.510 MHZ SIMPLEX**

**NBEMS/FLDIGI is being used training on the message handling  
capabilities of FLDIGI/FLMSG. Start with BPSK-125 other modes may be used for testing**

**First Wednesday of the Month Mahoning County Skywarn Net  
is held on the W8QLY repeater 146.745 (-) at 8:30P.M.**

Thanks & 73

All of our members (and others) look forward (hopefully) to getting this newsletter every month, so keep sending those articles, jokes, and suggestions!

Thanks goes out to this month's contributors; KD8IJE, W0JO, AB8AA, KD8NZF, KC8SOY, WF8U, W8IZC, KC8SNA, KC8PD, KB8UUZ, W8DEC, N8SY, KB8Y, KB8MNE, W8OFB, N6ISY, K8JAA, W5YI, the ARRL and the World-Wide Web.

### CLUB SURVEY RESULTS AND NOVEMBER ELECTION

With approximately 25% of the members eligible to vote, it was decided that most members who voted favored a Saturday in September for our annual picnic. (Date TBD) This means a minority chose for all of us. If this wouldn't have been your choice, think about how important your vote is in any election. One vote does make a difference. We hope you all vote in the upcoming Midterm Elections.

**With Club elections coming up this month**, please attend the November meeting and vote for the person you want to serve you as three-year Trustee. Those who are running as of now are:



**Darrin Cannon, N8DM**



**Russ Williams, NR8W**



**Stan Adamski, KB3WPD**

You could also run for office, nominations are open until we start the voting. These are the duties of a Trustee as written in the Club Bylaws:

**Article III, Sec. 4.** *The Trustees shall audit the financial reports, records, and statements of the Treasurer in December of each year and shall report to the membership the results of such audits. The Trustees shall also take inventory of any organization owned equipment or supplies in December of each year and shall report to the membership the results of such inventory.*

### OCTOBER TEST SESSION AND UPCOMING CLASSES



The following VEs helped with the October test session: Contact VE Allan, AB8AA; Bob, AB8OP; Roy, KD8IJF; Dave, KD8NZF; Nancy, KD8QNY. Thanks for your help.

We had one person testing George Middleman, KD8ZQJ, who passed his Tech. Congratulations George.

Our Fall Tech Class was full of no shows - SO, Chris, WF8U, will be teaching a Technician class at the same time Al, AB8AA, will be teaching the General class. These classes will be running concurrently Wednesday evenings, at ITT-Tech on Meridian Rd. in Austintown, November 5 through December 10, 7:00 to 9:30 P.M. Chris WF8U has recently joined the WRARC teaching staff. Welcome Chris.

Contact Al if you need a book, or you want more information, 330-549-3051. Our next Test Session will be December 17, at ITT-Tech for all License Classes.

**Freedom is never more than one generation away from extinction. We didn't pass it on to our children in the bloodstream. It must be fought for, protected, and handed on for them to do the same, or one day we will spend our sunset years telling our children and our children's children what it was once like in the United States where men were free.**

**Ronald Reagan**



## WALK TO END ALZHEIMER'S

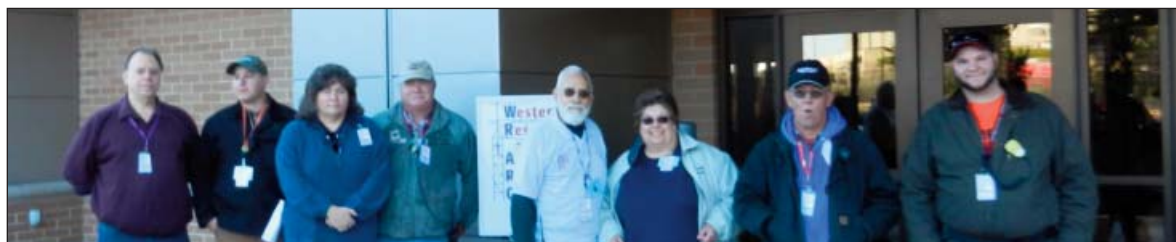


The Alzheimer's Walk Saturday, October 11 held on the YSU campus started at the WATT Center and went around part of the YSU complex. It wove in and out between the buildings and on the surrounding streets. There were about 300 -400 walkers for the first year of this event. The day started off cool but sunny and then got a little warmer by the time it was over.

The members of WRARC that were there were, Allan, AB8AA, Roy, KD8IJF, Devon, KD8SNV, Bob, KD8YYH, Terri, KD8YYE, Chris, WF8U, Harry, KD8PQK, Jo, KD8SNW, Dave, KD8SDZ, Stan, KB3WPD, Maureen, KD8NXS, Cory, KD8STJ, Steve, KC8SOY, Dennis, KD8SNA and Joe, W0JO.

We assembled in front of the WATT center where assignments were given out. Then everyone left for their positions. Al, was net control, Joe and Maureen were in front of the WATT center to act as the go-between the club and the event. Others were along the route to help guide the walkers and provide assistance as needed. Things went well for most of the walkers. Toward the end a pair of elderly walkers seemed to be having a problem. Chris asked them if they needed help, they said they were ok. By the time they got to Steve's position they knew they could not finish. Steve called for assistance. Net control notified Joe who spoke to the police inside the event. The police had someone go and get the elderly walkers and returned them to the WATT center. Other than that the event went off without any other problems.

After we secured our equipment some of us went to Charley Staples for lunch. A good time was had for all and we are looking forward to the next event next Sunday.



73, Allan, AB8AA

## THE WALK TO STOP DIABETES

The Walk to stop Diabetes, held Sunday, October 19 started out cold and damp, it quickly warmed up to be very pleasant Fall day. We had nineteen Hams who showed up to participate in the event which was scheduled to start at 10:00 A.M. Roy asked us to be there at eight to help with set up and for station assignments. K8JAA worked as net control, with Al's, AB8AA, help.

The walk went off with the Canfield drum core leading the way a little after ten. The route was 1.5 miles long inside the Fairgrounds. The walkers had the option of walking the route once or twice. Two of our operators opted to walk the event. When we asked those in charge, they told us they had about 450 walkers who signed in.

Our volunteers reported no walkers had problems during the walk, which finished about 11:30. Other problems were: there was a gate closed across the course; a car was parked somewhere on the course in the way; and a couple cars seemed to be following the walkers on the course. These problems were quickly resolved without incident.

All volunteers were invited to join the group for lunch. Thanks to the following members who came out! Bob, KD8YYH; Terry, KD8YYE; Chris, WF8U; Joe, W0JO; Stan, KB3WPD; Dave, KD8NZF; Nancy, KD8QNY; Allan, AB8AA; Jane, K8JAA; Harry, KD8PQK; Dave, KD8SDZ; Maureen KD8NXS; Mark, KD8YMK; Steve, KC8SOY; Roy, KD8IJE; Dennis, KD8SNA; Rose, KD8TII; Devon, KD8SNV; Jo, KD8SNW.



73, Jane, K8JAA

## DIABETES WALK



**Note to all members - Our insurance covers us when we volunteer or attend a meeting sponsored by the Club. It is very important to always sign the sign-in sheet at every meeting or event. The insurance protects both you and the organization.**

## HAUNTED HAYRIDE

**Hey Everyone**

I would like to thank everyone that came out to the Haunted Hayride this year. I think everyone had a great time doing their part in helping with keeping the children safe in the park. The Haunted Hayride is a very good Public Service event for us Hams. The more practice you have on your radio, the better you will get when it really counts.

I had a problem with my handheld mic. coming unplugged and a battery that was going dead at the end of the event. Thanks to everyone that participated in the Haunted Hayride 2014.

73, Steve, KC8SOY



## GOING STEALTH PART TWO – HOSANNA!!! HF



If you recall, Part One of my series Going Stealth “V’ger” had landed in the attic. All was well with VHF / UHF. The other half of my “Ham” life was missing. HF. My Kenwood TS-590 seemed to have this “eye lock” on me every time I entered the room. When was the “action” going to happen?

### The Antenna in the Room

After some diligent study prior to attending the Dayton Hamvention this year I settled on an MFJ-1795 antenna. Coined the “bird roost” by my friend Wes Boyd (W8IZC), the antenna offers the “money bands” 40,

20, 15, and 10 meters. To compensate for the antenna’s height, MFJ uses top loaded coils.

The first problem was how to hide the 1795 in my HOA area. I opted for the method known as hiding in plain sight. The one advantage present on the property is a thick twelve-foot tall hedgerow. Camouflaging the antenna against the hedgerow was the best option. To aid in the camouflage Eastwood paints came to the rescue with a solution to support the hiding in plain sight. They offer a rubberized paint that sprays on and does not interfere with signal radiation. Short story, it works. A can of Eastwood’s Olive Drab paint did the trick. I confined the painting to the mast, as it was the most visible. Three coats later the antenna was ready to mount. Against the tall hedgerow in the rear of the back lawn the antenna is virtually invisible. The first photo allows the results to speak for themselves. The antenna was raised during Labor Day weekend. Since that time only my neighbor to the east has noticed the antenna, and that after I mentioned it to him. The remainder of the neighborhood has either not seen it, or thought it was in fact a bird roost.



Now you see it?

### The Box

The feed-line-connecting equipment supplied by MFJ doesn’t quite “fill the bill.” To make the connections more dry and protected from the weather I crafted the box. It is essentially a plastic container purchased from a craft shop with a hole cut in the top and bottom to accommodate the mast. Installation of a surface mount SO-239 and solid signal and ground connections made things tidy. Duct sealer on the top and bottom keep things high and dry. Several inch-an-hour rainstorms have proven that out.

### Tuning and “Driving”

The tuning, call that trimming, of the antenna elements takes more effort than the manufacturer lets on in the installation document. Numerous trips up and down the ladder with wire cutters and screwdriver in hand were necessary to bring the SWR into a satisfactory range. The “worst” of the bands is 40 meters. The SWR for that band, even after radials were installed, remains high, although nothing outside the range of a respectable tuner. The grand experiment of cutting the radials is material for another article. In the first two days of operating I made domestic contacts in New Mexico, Texas, Connecticut, Minnesota, and Michigan. The first overseas contact, on a very noisy band, was with an operator in France about 50 km NNW of Nimes.



The Box

My HF antenna work hasn’t stopped with the MFJ 1975. There are two additional stealth projects on the drawing board that will be coming in the near future. Stand by and carefully tune!

-73- Robert, WR8RW

## PAPER CHASE



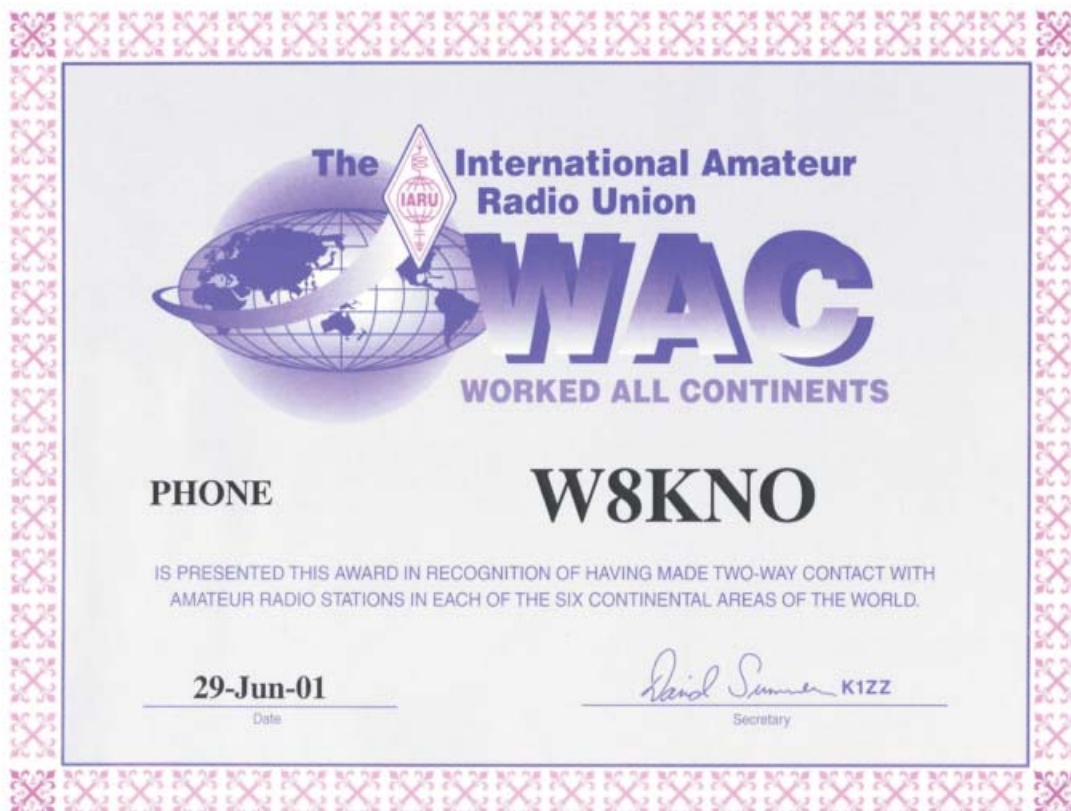
I am writing this Monday evening after a weekend of playing radio in the CQ World Wide DX SSB Contest. If you played in the contest, you are well aware of the good propagation on 15 and 10 meters. If you were lucky to have worked Africa, you probably worked all the continents. Some of you may not be aware of the "Worked All Continents" award sponsored by the IARU.

The Worked All Continents award is issued for working and confirming all six continents: North America, South America, Oceania, Asia, Europe and Africa. You notice this is different than the seven continents you learned in school which were North America, South America, Australia, Asia, Africa and Antarctica. Therefore, the award is easier to obtain than having to actually work all the continents. You can do this with any combination of bands and modes. The cost for the award is \$13.00. Endorsements are also available for any mode or band. The cost of the endorsement is \$7.50 but if you request multiple endorsement on one application the cost remains only \$7.50 or to put another way it costs \$7.50 each time you file an application. The application can be found at: <http://www.arrl.org/files/file/DXCC/2014wac%20app.pdf>

There is also a Five-Band Worked All Continents award which is strictly a band-only award and cannot be endorsed on any mode.

WAC applications can be checked by a DXCC card checker.

Hope to hear you on the air,  
Joe - W8KNO



Everything will be OK in the end. If it's not OK, it's not the end. (unknown)



## REALLY SMART PHONE

A Silicon Valley startup with an impressive tech pedigree -- its execs' credentials include Beats Electronics, Guitar Hero and Palantir Technologies -- has released its first product: an elegantly designed plug-in nightlight that can listen for smoke and carbon monoxide detectors going off and call you with a recording of the alarm. Leeo says its Smart Alert nightlight is the "first in a family of smart home products that will focus on efficiency, safety and comfort."



The Smart Alert promises simple setup and operation: Just plug the device into a power outlet, then use the free smartphone app to link it up with your home Wi-Fi. The device then "listens" for the distinctive frequency of a smoke or carbon monoxide alarm, and sends a notification to your phone along with a recording of the alarm sound, enabling users to dismiss potential false alerts.

[http://www.sci-tech-today.com/story.xhtml?story\\_id=11100DKH9TEL](http://www.sci-tech-today.com/story.xhtml?story_id=11100DKH9TEL)

## SAP INTERFERES WITH CELL RECEPTION

Jim Michler 8/7/2014

When I put a metal roof on my house, the cellphone reception went from marginal to nearly nonexistent, so I bought a cellphone booster. My house is in a low area surrounded by trees. The system recommended by the manufacturer had an omnidirectional antenna. The installation instructions emphasized the importance of locating the outside antenna far from the inside antenna, so I put the antenna on the far end of the garage. The system ended up with 130 feet of co-ax from the outside antenna to the amplifier.



The inside reception was now a little bit better than the outside reception, but still marginal. The location was well within the reception area on the Verizon coverage map.

When I called Verizon customer service they said that I was in a marginal reception area. So I went to the Verizon store. The salesman said that my make and model phone was not the best for reception in weak areas so I bought one of the phones he recommended. Reception was slightly better, but still marginal. I called the cellphone booster company and got nowhere.

Then winter came and reception improved slightly. At about that time, a co-worker got his amateur radio license, specializing in the 900 MHz band. That band is right next to one of the cellphone frequency bands, so I started picking his brain, after which another 900 MHz ham operator joined in. The signal loss in the 130 feet of co-ax was greater than the antenna gain. Based on their advice, I bought a directional antenna and mounted it closer to the amplifier. The new cable run was only 30 feet. They introduced me to the OpenSignal app, from which I found the direction to the nearest tower.

Cellphone reception was now excellent until spring. When the temperature rose above freezing, the reception became marginal again. I went back to the ham radio operators. The finger of suspicion pointed toward a red pine tree in front of the antenna. This tree had needles slightly over six inches long, exactly the right length to be half wave absorbers for 900 MHz radio waves. We figured that the sap was liquid and conductive in summer, frozen, and nonconductive in winter. So I cut the tree down and the problem was solved. I now have excellent cellphone reception in summer.

This is from an article in Design News, October 2014.  
73, Ward N0AX

**I will be posting telepathically today. So, if you think of something funny, that was me.  
(email)**

### OPERATING ETHICS AND OPERATING PROCEDURES

In 2008 John Devoldere, ON4UN, and Mark Demeuleneere, ON4WW, wrote a comprehensive document entitled "Ethics and Operating Procedures for the Radio Amateur." The purpose of this document was for it to become a universal guide on operating ethics and procedures.

This document was accepted by the IARU Administrative Council as representing their view on the subject. During subsequent Regional IARU meetings it was emphasized that the document be made available to the Amateur Radio Community via all available means, at no cost, and in as many languages as possible. go to

<http://www.on4ww.be/OperatingPracticeEnglish.html>

<http://campus.murraystate.edu/org/msuarc/goodoperatingpractices.htm>

Couple other interesting sites -

How Ham Radio Works - <http://electronics.howstuffworks.com/ham-radio.htm>

Getting Ready to setup and operate your first Ham Radio Station as a New Technician Class Operator!  
<http://www.hamuniverse.com/setuphamstation.html>

Famous Hams and ex-Hams - <http://www.qsl.net/w5www/famous.html>

## TECH. & GENERAL CLASSES STARTING

WEDNESDAY EVENINGS,  
NOVEMBER 5 THRU DECEMBER 10  
7:00 - 9:30 P.M.

FOR INFO & THE BOOK CALL AL  
330-549-3051



**Question:**  
**Should someone**  
**tell him?**  
.... or...  
**just watch it**  
**happen!**

### HOW TO PROGRAM YOUR RADIO

Starting at the meeting in February, we will be having a short class on How to Program Your Radio. We will start with the terminology of radios. Then go into each brand and model of radio, starting with the Boafeng. This is a popular radio for the beginners.

This will be put on by Steve, KC8SOY, Chris, WF8U, Harry, KD8PQK, and Al, AB8AA. Get out your radios and their manuals. We will need to know what radios you have and what you want to learn.

73, AB8AA

### THE PAST PRESIDENTS REMARKS

We are almost done with the fifth year of WRARC. We have come a long way in a short time. Now is the time to talk up the club to friends and family. There was no Tech class this year, due to no one showing up for class. If our classes are to succeed in the future we need to advertize and promote them. Put flyers out in stores, businesses, organization meetings and just everywhere. Our facebook page is getting hits. The Vindy is putting our stuff in it some of the time. We have had some good speakers in the past and hope to have good ones in the future. We could have workshops on many subjects. It is up to you, the members, to tell the board what you would like to learn. Together we can make this the best club in the valley.



73, AB8AA

## RADIO AMATEURS PLAY A ROLE IN SEPARATE STORM RESPONSES

Amateur Radio volunteers activated on opposite ends of the US late last week and over the weekend as separate hurricanes struck Bermuda and Hawaii. Both regions were prepared and fared well with no deaths, serious injuries, or major property damage reported.

**Hurricane Gonzalo**

Hurricane Gonzalo, the stronger of the two storms, was a Category 3 hurricane when it made a near-direct hit on Bermuda on Friday, October 17. The Hurricane Watch Net (HWN) and the VoIP Hurricane Net (VoIPWX) gathered ground-level weather information from the island and funneling it to the National Hurricane Center's WX4NHC. Forecasters use these reports to better predict a storm's path or intensity. Hurricane Specialist Stacey Stewart used several Amateur Radio reports in NHC advisories, statements, and discussions, Assistant WX4NHC Coordinator Julio Ripoll, WD4R, said.



The HWN opened on Thursday, October 16, and stayed up for some 41 hours. The net used a primary frequency of 14.325 MHz and switched to 7.268 MHz as conditions warranted.

"It was a report from John [Stevens], VP9NI, that let us know the eye had made landfall on Bermuda," HWN Manager Bobby Graves, KB5HAV, reported. "His report made the 9 PM AST Tropical Cyclone Update." Graves said VP9NI's reports confirmed barometric pressure observations by Hurricane Hunter aircraft, and the NHC mentioned his call sign in its update. VP9NI's battery finally gave out just before midnight on Saturday, he added.

Only a weekend earlier, Tropical Storm Fay had hit Bermuda, and Graves said he learned during the Gonzalo activation that Fay had dealt Bermuda a bigger blow than he'd first heard. "Many hams had lost their antennas," he said, while other hams' antennas were seriously damaged. Some radio amateurs on Bermuda quickly constructed makeshift antennas in preparation for Gonzalo.

"Craig [Nikolai], VP9NL, was able to give us reports in the evening, as he only had a 40 meter dipole with one leg barely off the ground," Graves recounted. "John, VP9NI, gave us many reports on 20 meters until losing commercial power. With only a 20 meter NVIS antenna about 5 feet off the ground and using the battery from a computer UPS, John was able to continue feeding us reports hourly on 20 and 40 meters while running about 12 W." Other stations checking into the HWN included Glen Cuoco, VP9ID, and Ed Kelly, VP9GE. "Giving stations in the affected area advance notice of activation plans and gathering data as to what type of antenna and power output to expect really paid off," Graves added.

Nearly all of Bermuda's residents lost power, dozens of roads were blocked by downed trees and limbs, and some damage to structures was also reported.

Rob Macedo, KD1CY, Director of Operations for the VoIP Hurricane Net, which also activated for Gonzalo, said that while its key Amateur Radio contact was not on Bermuda, it was able to gather many reports from storm bloggers on the Caribbean Hurricane Network, social media outlets, and Weather Underground personal weather stations.

**Hurricane Ana**

In Hawaii, the passage of Category 1 Hurricane Ana over the weekend was less dramatic, and the storm skipped the most-populated island of Oahu for the most part. ARRL Pacific Section Manager Bob Schneider, AH6J, reported that ham radio volunteers supported shelter communications as Ana passed by Hawaii, causing heavy rain, large waves, and some minor flooding.

"A request came from American Red Cross to deploy to the shelter at Ka'u High School in Pahala," Schneider said. The school is in the southeastern edge of the Big Island. "Sean Fendt, KH6SF, and I drove 45 miles and set up HF and VHF communications." (Sean Fendt's wife Kimberly, WH6KIM, is the East Hawaii DEC.) Sean Fendt, KH6SF, at the Kau High School shelter. [Photo courtesy of Bob Schneider, AH6J]

"The shelter manager was very happy to see us, because in the last [weather] event they lost power and communications and had a full house. This time it was almost a non-event with the hurricane staying offshore to the south and west. There was quite a bit of rain and one road closure due to flooding. One couple that stayed in the shelter last night had been through several typhoons in Japan and didn't want to take any chances, even though later forecasts showed tracks well offshore."

*Continued page 12*



## HAMS STORM RESPONSE - CONTINUED FROM PAGE 11

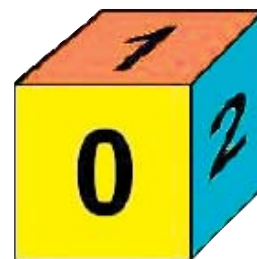
Schneider said those later forecast tracks did not reveal the large amount of rain the storm brought along. The ARES volunteers primarily used HF on 40 meters, although they also made use of a VHF repeater that was linked to the Big Island Wide Area Repeater Network (BIWARN).

"We sent a couple of voice messages to SKYWARN headquarters located at NWS in Honolulu," Schneider recounted. "Other weather spotters were using mostly Fldigi for messages to NWS. We were happy that there were no serious problems and power stayed up." Read more. -- Thanks to the Hurricane Watch Net, the VoIP Hurricane Net, ARRL Pacific SM Bob Schneider, AH6J, and The Daily DX

October 23, 2014 Editor: Rick Lindquist, The ARRL Letter



You have two wooden cubes and a broad black felt-tip pen. You want to be able to use the cubes to represent the numeric day of the month by writing one digit on each of the faces of the two cubes. How do you do this so that any date of the month 01 through 31 may be displayed using both cubes?



This should not be too hard, so give it a try and send your answer to: k8jaa@wrarc.net The names of the first ten entries with the correct answer received by December 10 will be published in the December newsletter! You need not be a club member to submit an answer.

**Outtakes and bloopers.**

<https://www.facebook.com/video.php?v=10151655662492167>



## BIRTHDAYS THIS MONTH

<b>W8IZC</b>	<b>Wes Boyd</b>	<b>11/4</b>
<b>KB8UCZ</b>	<b>Joan Twaddle</b>	<b>11/9</b>
<b>KD8GGZ</b>	<b>Mary Jo Loveland</b>	<b>11/10</b>
<b>KD8SNW</b>	<b>Jo Wilms</b>	<b>11/20</b>
<b>KD8NZF</b>	<b>David Brett</b>	<b>11/22</b>
<b>KD8YML</b>	<b>Michael Stein</b>	<b>11/23</b>
<b>KD8IJE</b>	<b>Ted Filmer</b>	<b>11/25</b>
<b>KD8TH</b>	<b>Rose Marko</b>	<b>11/27</b>







# November 2014



PREPAREDNESS LEADS TO READINESS

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					<b>WRARC Net</b> <b>9:00PM</b> <b>145.270</b>  <b>Elmers Net</b> <b>right after</b>	1
2  <b>End Daylight Savings Time</b> 	3	4  <b>National Election Day</b> 	5  <b>Skywarn Net</b> <b>8:30 P.M.</b> <b>146.745</b> <b>General Class</b>	6	7  <b>WRARC Net</b> <b>9:00PM</b> <b>145.270</b>  <b>Elmers Net</b> <b>right after</b>	8
9	10  <b>ARES Net</b> <b>8:30 PM</b> <b>146.745</b> <b>PL 110.9</b>	11  <b>Ham Breakfast</b> <b>Eat'n Park Boardman</b> <b>8:30 A.M.</b>  <b>Board Meeting</b> <b>Eat'n Park Boardman</b> <b>7:00 P.M</b>	12	13	14  <b>WRARC Net</b> <b>9:00PM</b> <b>145.270</b>  <b>Elmers Net</b> <b>right after</b>	15
16	17	18  <b>WRARC Meeting</b> <b>7:00P.M</b> <b>Elections</b>	19	20	21  <b>WRARC Net</b> <b>9:00PM</b> <b>145.270</b>  <b>Elmers Net</b> <b>right after</b>	22
23   30	24  <b>ARES Net</b> <b>8:30 PM</b> <b>146.745</b> <b>PL 110.9</b>	25  <b>Eat'n Park Boardman</b> <b>8:30 A.M.</b> <b>Ham Community Breakfast</b>	26	27   <b>WaveBender Articles Due</b>	28  <b>WRARC Net</b> <b>9:00PM</b> <b>145.270</b>  <b>Elmers Net</b> <b>right after</b>	29